50004/002005 Attorney Docket No. SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE Serial No. 10/607,712 Roy A. Gravel et al. **Applicants** INFORMATION DISCLOSURE June 27, 2003 Filing Date STATEMENT BY APPLICANT 1623- 1632 (Use several sheets if necessary) Group **IDS Filed** June 3, 2004 (37 C.F.R. § 1.98(b)) Customer No. 21559 U.S. PATENTS Examiner's Patent Number **Issue Date** Patentee Class Subdass Filing Date Initials (If Appropriate) AMZ 6,677,436 01/13/04 Sato et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Publication Country or Class Subclass Translation Initials Number Date Patent Office (Yes/No) OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Bannerjee et al., GenBank Accession No. J04975, 1993. Amふ Boushey et al., "A Quantitative Assessment of Plasma Homocysteine as a Risk Factor for Vascular Disease. Probable Benefits of Increasing Folic Acid Intakes," JAMA 274:1049-1057, 1995. Brasch et al., "Neonatal Megaloblastic Anemia Associated with Reduced Cellular Uptake of Folate and Low Methyl-B12 Levels: A New Mutation," Aust. N. Z. J. Med. 18 Supp. 434, 1988. Chen et al., "Purification and Kinetic Mechanism of a Mammalian Methionine Synthase from Pig Liver," J. Biol. Chem. 269:27193-27197, 1994. Chen, L.H. et al., "Human methionine synthase: cDNA cloning, gene localization and expression," J. Biol. Chem., 272:3628-3634, 1997. Drennan et al., "How a Protein Binds B12: A 3.0 A X-ray Structure of B12-binding Domains of Methionine Synthase," Science 266:1669-1674, 1994. Fenton and Rosenberg, The Metabolic and Molecular Bases of Inherited Disease, McGraw-Hill, New York, pp. 3129-3149, 1995. Frosst et al., "A Candidate Genetic Risk Factor for Vascular Disease: A Common Mutation in Methylenetetrahydrofolate Reductase," Nat. Genet. 10:111-113, 1995. Fujii and Huennekens, "Activation of Methionine Synthetase by a Reduced Triphosphopyridine Nucleotidedependent Flavoprotein System," J. Biol. Chem. 249:6745-6753, 1974. Goyette et al., "Human Methylenetetrahydrofolate Reductase: Isolation of cDNA, Mapping and Mutation Identification," Nat. Genetics 7:195-200, 1994. Gulati et al., "Defects in Human Methionine Synthase in colG Patients," Hum. Molec. Genet., 5:1859-1865, 1996. Leclerc et al., "Molecular Cloning, Expression and Physical Mapping of the Human Methionine Synthase 4m> Reductase Gene," Gene 240:75-88, 1999. **EXAMINER DATE CONSIDERED** mne-Marie EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

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